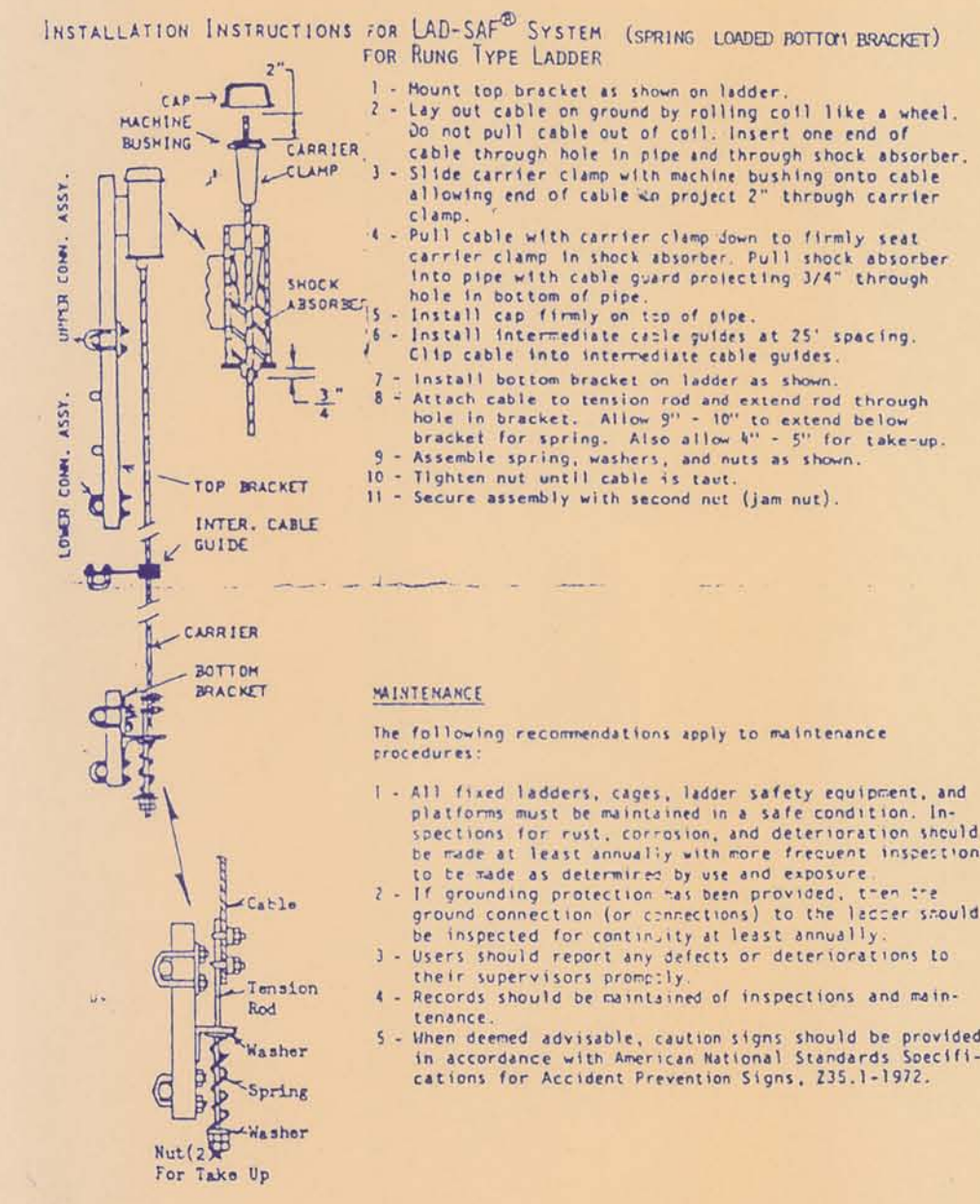


FRONT ELEVATION

SIDE ELEVATION



DETAIL "A-A"

OPERATING INSTRUCTIONS
MODEL L18
FLEXIBLE CARRIER SLEEVE

WARNING/WARNING
ADVERTENCIA/ADVERTENCIA/ADVERTENCIA

Manufacturer's instructions must be followed regarding proper system use and maintenance of this product. Alterations or misuse of product or failure to follow instructions may result in serious injury or death.

DBI/SALA
Red Wing, MN

Figure 1

USE - I Applications

The model L18 Flexible Carrier Sleeve must be used in conjunction with an approved DBI/SALA Ladder Safety System, including the top and bottom mounting brackets, cable guides, cable, belt or harness. The carrier sleeve is intended to arrest personnel (not material) if they should slip or fall while climbing a fixed ladder.

(Note: the installer and user shall make sure the ladder meets all applicable local, State, Federal and National Consensus Standards i.e. AMERICAN NATIONAL STANDARD ANSI A14.3-1984.)

The model L18 Sleeve shall be directly connected to an approved body belt or harness using the SHOT (or equal) safety hook. (See Figure 1.) The use of other connection material (i.e. short lanyards, chain, links, clevis, etc.) shall not be used to connect the L18 Sleeve to a body belt or harness.

NOTE: American National Standard (ANSI) A14.3-1984 states that the maximum length of connection between the carrier and the attachment point shall not exceed nine (9) inches.

*****IMPORTANT*****

Alterations or misuse of this product or failure to follow instructions may result in serious injury or death.

USE - II Operating Instructions/Requirements for Use

- Step 1**
Disassemble sleeve by depressing center button and removing both detent pins from sleeve body.
- Step 2**
Inspect all of sleeve, connection hook and belt or harness for wear or damage. The inner wedge and handle shall be securely fastened and operate freely. All fasteners and springs shall be inspected for wear or damage. Detent pins shall open and close freely. Do not use carrier sleeve if inspection indicates any wear or damage. See separate inspection instructions (Section III).
- Step 3**
Engage sleeve body onto cable and install upper detent pin. Make certain pin is securely locked. Install wedge/handle assembly into sleeve body. The open slot on the wedge shall be fitted around the installed detent pin as shown.
- Step 4**
Push bottom side of wedge/handle assembly into sleeve body and align hole in handle with lower hole in sleeve body. Install lower detent pin as shown and make sure the pin is securely locked. Check locking action by lifting on handle and releasing. Sleeve shall lock onto cable. If operation is incorrect, remove device and repeat steps 2 - 4.
- Step 5**
To operate carrier sleeve, attach assembly to D-ring on approved body belt or harness. To do so, open up safety hook by turning keeper barrel and pressing in on spring loaded keeper. The safety hook shall join the carrier sleeve and body belt or harness as shown. Make certain safety hook keeper is locked by turning barrel fully.
- Step 6**
To ascend, climb in normal fashion. Carrier sleeve will follow climber. The cable is snapped out of the cable guides as they are encountered. Reconnect cable after passing each cable guide.
- Step 7**
Descent is accomplished by simply climbing down ladder smoothly in a normal position. Allow sleeve to "lead" the climber down. Climbing down "out of position" (for example, leaning back excessively) will cause the sleeve to lock on the cable. If sleeve should lock, simply move upward slightly to release carrier sleeve and then continue to descend in normal position.

When climbing is completed, remove sleeve from cable by depressing center buttons and removing the detent pins. Carrier assembly can now be removed from cable and properly stored.

Make certain all applicable hazards are addressed properly to provide climber safety. Hazardous environments include, but are not limited to: live power lines, excessive heat or flames, explosive gases, and physical obstructions; in addition to climber's ability, including health.

- CARE - III Inspection**
- A visual inspection of the operating condition of the carrier sleeve is required before each use. Detailed inspections should be conducted on a schedule as determined by the user, based upon prevailing conditions with a minimum of two detailed inspections per year. Detailed inspections must be recorded on the inspection log provided.
- Detent Pins** - Release button shall operate smoothly and spring back when released. Engagement balls shall protrude out when button is released. Inspect for normal wear.
- Handle & Wedge Assembly** - All fasteners shall be secure and tightly held in place. Operation of handle/wedge assembly shall be smooth and secure. Spring must be attached securely and of sufficient strength to pull handle down.
- Sleeve Body** - Check for wear on inside of body where cable rides. Button roller shall be in place. Check for deformation.
- Note:** Remove all unsatisfactory parts from service immediately. Notify supervisor.

IV Maintenance

Normal cleaning/degreasing should be done as required. All other maintenance and servicing must be carried out only by authorized service personnel. Contact factory for additional information. Refer to form LS-38-10 for proper installation, use, care and maintenance for the brackets, cables, and cable guides. Refer to form IBU for proper use, care and maintenance for the belts or harnesses.

Stephens MANUFACTURING COMPANY, INC. - BOX 488 TOMPKINSVILLE, KENTUCKY - 42167				
PREPARED FOR				
DESCRIPTION LADDER WITH SAFETY BELT HARNESS DETAILS				
SCALE NONE	DRAWN BY M.D.H.	DATE 7-19-88	REVISED	DRAWING NO. AE-889-10